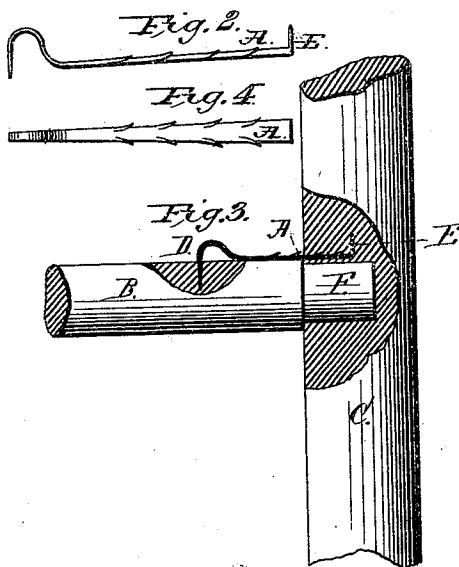
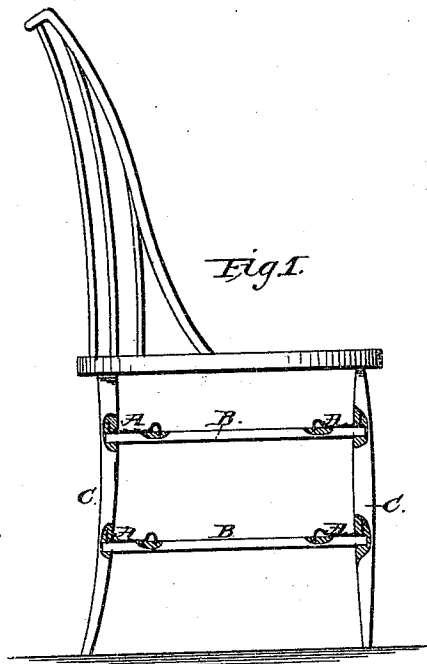


L. D. CRAIG.
CHAIR-FASTENING.

No. 170,470.

Patented Nov. 30, 1875.



Witnesses:

John H. Redstone.
O. Redstone.

Inventor:

L. D. Craig.

UNITED STATES PATENT OFFICE.

LEE D. CRAIG, OF OAKLAND, ASSIGNOR OF ONE-HALF HIS RIGHT TO
CHARLES MILLER, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN CHAIR-FASTENINGS.

Specification forming part of Letters Patent No. **170,470**, dated November 30, 1875; application filed
July 21, 1875.

To all whom it may concern:

Be it known that I, LEE D. CRAIG, of Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in the Construction of Chairs and other Furniture, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters marked thereon.

Figure 1 is a side elevation of a chair with a section cut out of the legs to show the attachment of the round by the use of the fastener A. Fig. 2 represents an edge elevation of the fastener, and Fig. 4 is a plan of the same. Fig. 3 is an enlarged section, showing a part of the leg with part of the round of the chair attached by the fastener, with the clinch-point not driven fully into the round.

A represents the tenon-fastener. B represents the rounds. C represents the legs of the chair. D represents the clinch of the fastener A, and E represents the main hook, which attaches in the mortise which holds the tenon F. (Shown in Fig. 3.)

The following is the construction of the fastener A: It is made of good wrought-iron,

about the size of an ordinary horseshoe-nail. The broad hook E and the clinch-hook D are sharpened, so as to enter the wood readily. The edges of the fastener A may be barbed, as shown in Figs. 2, 3, and 4, for the purpose of holding more firmly.

The construction may be varied as to length or breadth to suit the nature of the mortise and tenon.

The following is the operation of the same: The fastener A is placed in the mortise, with the hook or blade E turned outward. The tenon F is then inserted by driving in, and forces the hook E into the wood at the side of the mortise. The clinch-hook D is then driven into the round, either by pressure or by the stroke of a hammer, completing the process of fastening.

Having thus described my invention, what I claim as a new article of manufacture is—

The fastener A, constructed and operated substantially as and for the purposes set forth.

LEE D. CRAIG.

Attest:

JOHN H. REDSTONE,
A. E. REDSTONE.